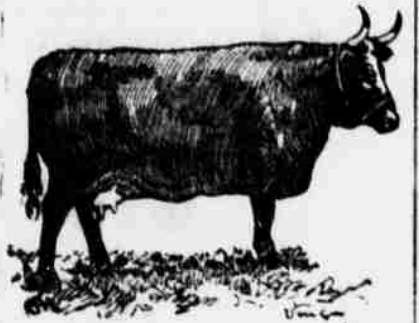


IN THE DAIRY

Devons are a very active breed of cattle. They are good walkers and therefore good rustlers and a very prolific breed, the cows breeding up to twenty years of age, and at the fall they are found on the average as good as any breed. While probably not giving as large a flow as some other breeds, they hold out well. Some of the cows refuse to be dried off before calving.

While we do not claim for the Devon the animal that gives the largest flow of milk or makes the largest beef, our plea is that for the general farmer, who wants beef and milk combined, there is none its superior. The great power of the Devon to effect a speedy improvement in beef qualities is the outcome, of course, of singular pre-



DEVON COW FERN OF HALSDON.
(D. H. B. 1547. Property of W. R. & A. Trible, Barton, North Devon, England.)

potency, and this is based largely on two things. The first is long purity of blood and the second its stamina.

As to the dairy qualities of the Devon, they have been found A No. 1. There is no breed giving a better quality of milk. Cows give thirty-five to fifty-five pounds of milk per day, testing 4 1/2 to 6 per cent of butter fat and making two to two and a half pounds of butter per day. Therefore let the Devon be given its rightful place among the breeds. The three B's for the Devon are Beef, Butter and Beauty, concludes L. P. Sisson of Ohio in Hoard's Dairyman.

The Other Side.

Some of the Devon cows are profitable; others are not. That is true even with the best and most pronounced dairy breeds. But the breeders of dairy cattle are not going along breeding as far away from the dairy conformation as they can, building up the beef form and carcass, establishing beef heredity—in short, doing all in their power to eradicate the milking quality by trying to make a cow as profitably unfitted for doing work as she can be, says Hoard's Dairyman.

They try at least to breed toward the construction of a dairy cow. The Devon scale of points calls for "an under line as nearly as possible parallel with the line of the back"—in other words, a blocky beef form as near as possible. This is the form they breed for.

It is the old beef form pure and simple, and the breeders of these cattle tell us that they are breeding for milk, are producing desirable milk cattle and want the dairy world to believe they are on the lines of dairy development.

As with the Shorthorns, every cow that shows decided talent for milk production stands in marked contradiction in form and outline to the acknowledged standard they are breeding for. These things cause men to inquire if everything isn't fish that comes to the dual purpose net.

Tallowy Butter.

Referring to the statements of practical farmers, L. S. Hardin says in Home and Farm: In regard to feeding wheat bran, they tell me I am entirely right in what I said and that there is too much oil in cotton seed for a regular diet for cows, while wheat bran has just enough. It has other excellent dietary qualities. These gentlemen tell me that two pounds of cottonseed meal is as much as one should feed a cow in a day's ration when butter is made, and it should then be fed with corn ensilage made with the ears on for its fat forming excellence. When too much cottonseed meal is fed it makes a hard, tallowy butter, what in the Chicago market would sell as "seconds" or third rate butter. That is how I would rate what I have seen.

How to Grow Alfalfa.

Alfalfa must be reset every third year. I have been using cutaway harrows for resetting it along the Pacific coast for a great many years. The best method of resetting is to sow about ten pounds of new seed to the acre; then go over it with the cutaway harrow, set at a light angle, in both directions, split the heads of the old plants and reset with the new seed. By this means the crop can be produced continuously for a long term of years.—G. M. Clarke in Country Gentleman.

Oiling a Separator.

In the mechanical operation of a separator none but the best oil should be used, and this should not be allowed to gum or become dirty on the bearings. It is good practice to flush the bearings with kerosene occasionally by making a run with kerosene in the oil cups. This will serve to cut out any gum or dust that has accumulated in the bearings and will make the machine run much freer and easier.

National Dairy and Food Show.
An extraordinarily complete and extensive display of dairy machinery and utensils and of foods marked the recent successful national dairy and food show at Chicago. Visitors to the show were many and showed keen interest. One hundred dairy cattle were entered.

NATURAL INCUBATION.

The Management of Sitting Hens. Their Feed and Care.

Hatching eggs under hens is a much simpler matter than artificial incubation, writes J. D. Mason in Reliable Poultry Journal. In some experiments we made in hatching out White Leghorn eggs under mongrel hens we got the best results from hens fed on corn while sitting, corn being the greatest heat producing food.

Hens should not have eggs put under them until they have remained on the nest for a day or so. If they do not leave the nest for the roost at night it is safe to put eggs under them. Our hens, which were set in the henhouses, did not do so well as those set where they were undisturbed by the laying hens. If it is necessary to move the hen she will generally accept the new nest provided the change is made at night. Dark nests give the best results, and they should be well filled with straw or dried grass.

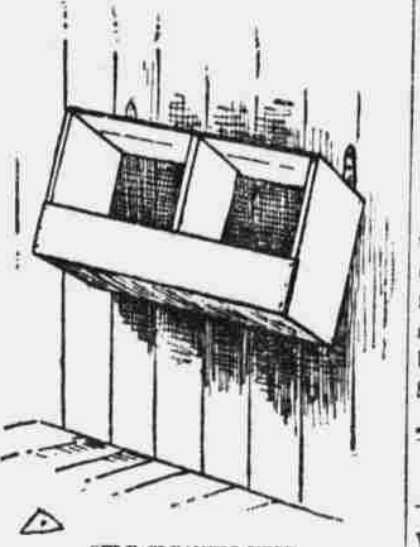
From twelve to fifteen eggs are put under a hen, depending on the size of the hen. In cold weather it is best to put the fewer number of eggs, while late in the spring as many as seventeen can be put under her. It is just as necessary to select the eggs and use only well shaped eggs for sitting under hens as for the artificial method of hatching. In warm weather, when the chicks are liable to dry in the shell, it is a great help to thoroughly sprinkle the eggs. There need be no fear of chilling, for the heat of the hen will quickly bring them back to the proper temperature. If two or more hens are set at the same time it is advisable to give one of the hens both lots of chickens to mother and rest the other.

Before starting our hatcheries we thoroughly fumigate our houses by burning sulphur candles in them, and as an extra precaution we sprinkle both hen and nest with lye powder. Lye will lower a hen's vitality, reducing her heat and causing in this way poor hatches.

Hens are inactive while sitting and therefore require less food than otherwise. It is not necessary to feed them on the nest. Have food and water accessible, but let their appetite be the judge of when and how much to eat. As far as possible let them be undisturbed while sitting.

A Self Cleaning Nest Box.

An excellent pair of nests is made from an orange box from which both top and bottom have been removed, writes a Maine poultryman in American Agriculturist. Place the box on its side and nail a strip of the removed wood upon the bottom to make the



SELF-CLEANING NEST.

front as shown. Then hinge the box to the wall by the top, as indicated in the cut. The box will rest firmly against the wall and can be provided with nesting material. When this is soiled and broken the box can be raised to the position shown in the cut, when all the material in the nests will fall to the floor, leaving the box clean. It is almost impossible to clean out the corners of a nest box that is nailed in place, and in the dirt that fills the corners vermin are sure to multiply. An orange box makes two handy nests, with almost no work, and hinged in this way makes cleaning easy.

Oil Cake For Poultry.

Some authorities advocate feeding broken oil cake for fattening poultry. We have known the oilmeal cake to be used in this way after being ground or passed through the bone mill and mixed with a little bran into a mash. The poultry are very fond of the oil cake ground in this way, fed to them just as it comes from the mill. An equal portion of the cracklings from lard and the oil cake mixed in dry bran and fed as a dry mash is good for winter egg production, though this is a rather fattening mixture, and too much of it should not be fed. If reasonably given to hens that are kept active through scratching for all their grain food in the litter it will help rather than retard egg production, for they will not gain much flesh when so actively engaged.—Country Gentleman.

Crossing Fowls.

There may be or not an advantage in crossing, says A. V. Meersch in Western Poultry Journal. Healthy fowls of a first class laying breed are not likely to be improved by crossing as regards their health and their laying power. On the contrary, different layers when crossed with a better laying breed will produce progeny that will be false

THE MORNING ASTORIAN

QUICK RETURN COLUMNS

The supplying of any want that may arise in domestic or commercial life may be readily and quickly accomplished at a nominal cost by the publication of the want in the "Want Ad." columns of the Morning Astorian.

A necessity which may arise for buying or selling horses, carriages, furniture, pianos, real estate, sewing machines, bicycles, safes, watches, jewelry, typewriters, or thousands of other articles, can be met at once by the insertion of a suitable advertisement in the morning Astorian.

To secure help of any sort, or situation of any kind, to find lost articles, to secure board or boarders, lodging or lodgers, borrow money, obtain any kind of security; any of these wants may be supplied by using the "Want" columns of The Morning Astorian.

Rates For Classified or "Want" Advertisements

ONE INSERTION ONE CENT A WORD
Count Six Words to a Line.

THREE LINES THREE DAYS, 30 CENTS
20 Cents a line a week.

"SITUATION WANTED"

For the benefit of persons out of employment, ads under the head of "Situation Wanted" will be printed three days free of charge.

WANTED—FURNISHED ROOMS.

WANTED—ONE OR TWO FURNISHED rooms for light house-keeping; no children; state price. Address T. W. K., Astorian Office.

WANTED—2 ROOMS FOR HOUSE-keeping. Address E. J., Astorian, 4f.

AGENTS WANTED.

WANTED—A BOOK AGENT TO dispose of a small stock of easy-selling books; big profit. Inquire at Astorian office. 4f

FOR RENT—HOUSES.

FOR RENT—5-ROOM COTTAGE FOR rent. Apply Sherman's Transfer Co. 5-5-1w.

FOR RENT—THREE FURNISHED Housekeeping rooms. Enquire 472 Commercial street. 4-12 tf.

NICE ROOMS AND BOARD FOR GENTleman and wife or single.—Enquire Astorian Office. 4-25 tf

FOR SALE.

FOR SALE—Steam launch, length 35 feet. Address H. I., Astorian Office.

FOR SALE—MISCELLANEOUS LOT of wire cable new and second hand, any length, pipe of any description and size, machinery to suit anybody write for prices on anything; metal scrap iron and all kinds of junk and machinery bought and sold. Address M. Barde & Son, Portland, Oregon. 1m.

MUSIC TEACHER.

WANTED—THREE MUSIC PUPILS. Inquire at Astorian office.

MANDOLIN LESSONS GIVEN—MRS. C. D. Stewart, 127 Seventh street.

To certain to produce more eggs than themselves. The property of weakly stock are improved by crossing with healthy stock. In crossing there should be a definite object in view, and then the advantage sought can usually be gained to a greater or less extent.

Depluming Mites.

Dust the fowls thoroughly (to the skin) with some good house powder, grease head around vent with carbolic vaseline. This is the treatment for chickens infested with depluming mites.

Beef and Brawn.

It is said of Kean, the actor, that he ate mutton before playing the part of lover, beef before playing that of murderer and pork before assuming the character of a tyrant. That may be merely a story or a fact, but it is a well known truth that beef will enable more exhausting muscular work to be done than will mutton, so there may be something in the "roast beef of old England." In the eighteenth century this was one of the English "gods."

His Motive.

Critic—I have seen many a red cow on green grass, but this is the first time I ever saw a green cow on red grass. Is it an impressionistic departure? Irish Painter—Not at all; it's a patriotic impulse—I wanted to keep the green above the red.—Exchange.

Quite the Contrary.

"I understand that drinking is one of your husband's failings." "You have been misinformed," said the wife severely; "it is his most pronounced success."

NOTICE.

Sealed proposals will be received at the Clerk's office until 2 o'clock p. m., May 19, 1906, for slashing, clearing and grubbing of about eleven acres land of the proposed High Service Reservoir Site in Lot 12, Section 16, Township 8, North Range 9 West, Willamette Meridian.

Specifications may be obtained by applications to the Superintendent's office corner Eleventh and Duane.

Right reserved to reject any and all bids.
ASTORIA WATER COMMISSION.
May 4, 1906.

NOTICE FOR PROPOSALS.

OFFICE OF C. Q. M. VANCOUVER Barracks, Wash. April 15, 1906. sealed proposals in triplicate, will be received here until 11 o'clock a. m., May 15, 1906, for furnishing fuel and fuel oil; forage, bedding, and dog food; mineral oil, at posts in this department for the year ending June 30, 1907. Information furnished here or by quarter-masters at post. U. S. reserves the right to reject or accept any or all proposals, or any part thereof. Envelopes containing proposals should be marked. "Proposals for— at—," addressed F. G. Hodgson, C. Q. M.

NOTICE FOR BIDS—BIDS ARE HERE.

by asked for clearing all trees and brush on road No. 100 from point of beginning to John Day Station to a width of forty feet. Bids to be filed with the County Clerk on or before May 23, 1906.

Work to be paid for when completed and accepted.

By order of the County Court.
J. C. CLINTON,
County Clerk.
Astoria, Ore., May 3, 1906.

HOTELS

HOTEL PORTLAND

Finest Hotel in the Northwest.
PORTLAND, ORE.

LAUNDRIES.

The Troy Laundry

The only white labor laundry in the city. Does the best work at reasonable prices and is in every way worthy of your patronage.

10th and DUANE Sts., Phone 1991.

WOOD YARDS.

WOOD! WOOD! WOOD!

Cord wood, mill wood, box wood, any kind of wood at lowest prices. Kelly, the transfer man, Phone 2191 Main, Barn on Twelfth, opposite opera house.

BROKERAGE.

C. J. TRENCHARD
Real Estate, Insurance, Commission and Shipping.
CUSTOM HOUSE BROKER.
Office 123 Ninth Street, Next to Justice Office.
ASTORIA, OREGON.

BUSINESS DIRECTORY

New La Tosca

263 ASTOR STREET.

L. N. VAUCIL & CO.

CHOICE WINES, LIQUORS AND

CIGARS.

Furnished Rooms, Day or Night.

LOGGERS' HOME.

ASTORIA,

OREGON.

RESTAURANTS.

FIRST-CLASS MEAL

for 15c; nice cake, coffee, pie, or doughnuts, 5c, at U. S. Restaurant. 434 Bond St.

BEST 15 CENT MEAL.

You can always find the best 15-cent meal in the city at the Rising Sun Restaurant.

612 Commercial St.

Mon Fong Restaurant

Noodles and Chop Suey.

MEALS OF ALL KINDS

OPEN DAY AND NIGHT

74 EIGHTH STREET

CITY ADVERTISEMENTS.

NOTICE TO BOND HOLDERS.

Notice is hereby given to parties holding bonds 1, 2, 3, and 4, issued by School District No. 6, of Clatsop County, Oregon, that the same have been called in, and will be paid within thirty days of this date, at the office of the county treasurer 559-565 Commercial street, Astoria Oregon.

Dated Astoria Oregon, this 1st day of May 1906,

CHAS. A. HEILBORN,

County Treasurer, Clatsop County.
5-2-30t

NOTICE.

Bids are hereby asked for the clearing of right of way on road No. 77, from the Olney School House to the sixteen mile post where it connects with the present road. Said clearing to be twenty feet in width. And to be cleared of all trees, logs and brush.

Bids to state price per rod or mile. Court reserving the right to reject any or all bids.

Work to be paid for when completed and accepted.

Bids to be filed with the clerk on or before June 5, 1906.

By order of the County Court.
J. C. CLINTON, County Clerk.

Astoria, Ore., May 3, 1906. 4-9



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Let us send you our little book telling all about it. Typewriter supplies. Machines rented. Stenographers furnished.

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Eagle Concert Hall

[320 Astor St.]

The leading amusement house.

P. A. PETERSON, Prop.

Parker House Bar

[Cor. Ninth and Astor Sts.]

Agency for Edison Phonographs and Gold Moulded Records.

THE SAVOY

Popular Concert Hall.

Good music. All are welcome. Corner Seventh and Astor.

THE CHINOOK BAR

420 BOND ST.

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OREGON

Carries the Finest Line of

Wines,
Liquors
and
Cigars

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